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| FORM PTO-1437 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | ATTY. DOCKET NO. PHL-25,087 | SERIAL NO. 09/580,848 |
| | APPLICANT Jeffry Jovan Philyaw et al. | |
| | FILING DATE May 30, 2000 | GROUP 2736 2876 |

U.S. PATENT DOCUMENTS

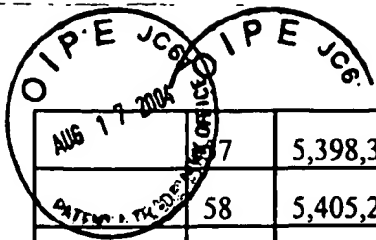
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| | 1 | 3,668,312 | 06/06/72 | Yamamoto et al. | 348 | 17 | |
| | 2 | 4,002,886 | 01/11/77 | Sundelin | 235 | 61.7R | |
| | 3 | 4,042,792 | 08/16/77 | Pakenham et al. | 179 | 90 | |
| | 4 | 4,365,148 | 12/21/82 | Whitney | 235 | 383 | |
| | 5 | 4,621,259 | 11/04/86 | Schepers et al. | 345 | 180 | |
| | 6 | 4,654,482 | 03/31/87 | DeAngelis | 379 | 95 | |
| | 7 | 4,780,599 | 10/25/88 | Baus | 235 | 383 | |
| | 8 | 4,785,296 | 11/15/88 | Tabata et al. | 340 | 731 | |
| | 9 | 4,816,904 | 03/28/89 | McKenna et al. | 348 | 13 | |
| | 10 | 4,817,136 | 03/28/89 | Rhoads | 379 | 375 | |
| | 11 | 4,833,308 | 05/23/89 | Humble | 235 | 383 | |
| | 12 | 4,841,132 | 06/20/89 | Kajitani et al. | 235 | 462.46 | |
| | 13 | 4,845,634 | 07/04/89 | Vitek et al. | 364 | 468 | |
| | 14 | 4,894,789 | 01/16/90 | Yee | 348 | 552 | |
| | 15 | 4,899,370 | 02/06/90 | Kameo et al. | 379 | 104 | |
| | 16 | 4,901,073 | 02/13/90 | Kibrick | 341 | 13 | |
| | 17 | 4,905,094 | 02/27/90 | Pocock et al. | 386 | 106 | |
| | 18 | 4,907,264 | 03/06/90 | Seiler et al. | 379 | 216 | |
| | 19 | 4,916,293 | 04/10/90 | Cartlidge et al. | 235 | 375 | |
| | 20 | 4,937,853 | 06/26/90 | Brule et al. | 379 | 91 | |
| | 21 | 4,947,028 | 08/07/90 | Gorog | 235 | 380 | |
| | 22 | 4,959,530 | 09/25/90 | O'Connor | 235 | 383 | |
| | 23 | 4,975,948 | 12/04/90 | Andresen et al. | 379 | 355 | |
| | 24 | 4,984,155 | 01/08/91 | Geier et al. | 364 | 401 | |

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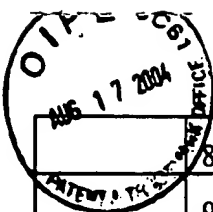
Sheet 2 of 7

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| 25 | 5,038,023 | 08/06/91 | Saliga | 235 | 385 | |
| 26 | 5,054,096 | 10/01/91 | Beizer | 382 | 41 | |
| 27 | 5,088,045 | 02/11/92 | Shimanaka et al. | 364 | 468 | |
| 28 | 5,111,391 | 05/05/92 | Fields et al. | 364 | 401 | |
| 29 | 5,115,326 | 05/19/92 | Burgess et al. | 358 | 440 | |
| 30 | 5,128,752 | 07/07/92 | Von Kohorn | 358 | 84 | |
| 31 | 5,144,654 | 09/01/92 | Kelley et al. | 379 | 356 | |
| 32 | 5,161,037 | 11/03/92 | Saito | 358 | 468 | |
| 33 | 5,161,214 | 11/03/92 | Addink et al. | 395 | 145 | |
| 34 | 5,182,705 | 01/26/93 | Barr et al. | 364 | 401 | |
| 35 | 5,189,630 | 02/23/93 | Barstow et al. | 364 | 514 | |
| 36 | 5,191,525 | 03/02/93 | LeBrun et al. | 364 | 419 | |
| 37 | 5,198,644 | 03/30/93 | Pfeiffer et al. | 235 | 383 | |
| 38 | 5,235,654 | 08/10/93 | Anderson et al. | 382 | 61 | |
| 39 | 5,241,402 | 08/31/93 | Aboujaoude et al. | 358 | 406 | |
| 40 | 5,243,531 | 09/07/93 | DiPippo et al. | 364 | 468 | |
| 41 | 5,247,347 | 09/21/93 | Litteral et al. | 348 | 7 | |
| 42 | 5,262,860 | 11/16/93 | Fitzpatrick et al. | 348 | 461 | |
| 43 | 5,285,278 | 02/08/94 | Holman | 348 | 10 | |
| 44 | 5,287,181 | 02/15/94 | Holman | 348 | 473 | |
| 45 | 5,288,976 | 02/22/94 | Citron et al. | 235 | 375 | |
| 46 | 5,296,688 | 03/22/94 | Hamilton et al. | 235 | 375 | |
| 47 | 5,304,786 | 04/19/94 | Pavlidis et al. | 235 | 462 | |
| 48 | 5,305,195 | 04/19/94 | Murphy | 705 | 1 | |
| 49 | 5,319,454 | 06/07/94 | Schutte | 348 | 5.5 | |
| 50 | 5,324,922 | 06/28/94 | Roberts | 235 | 375 | |
| 51 | 5,331,547 | 07/19/94 | Laszlo | 364 | 413.01 | |
| 52 | 5,340,966 | 08/23/94 | Morimoto | 235 | 376 | |
| 53 | 5,357,276 | 10/18/94 | Banker et al. | 348 | 7 | |
| 54 | 5,362,948 | 11/08/94 | Morimoto | 235 | 376 | |
| 55 | 5,382,779 | 01/17/95 | Gupta | 235 | 383 | |
| 56 | 5,386,298 | 01/31/95 | Bronnenberg et al. | 358 | 403 | |

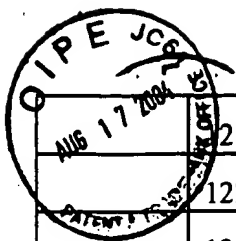
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| 59 | 5,418,713 | 05/23/95 | Allen | 364 | 403 | |
| 60 | 5,420,403 | 05/30/95 | Allum et al. | 235 | 375 | |
| 61 | 5,420,943 | 05/30/95 | Mak | 382 | 313 | |
| 62 | 5,424,524 | 06/13/95 | Ruppert et al. | 235 | 462 | |
| 63 | 5,438,355 | 08/01/95 | Palmer | 348 | 1 | |
| 64 | 5,446,490 | 08/29/95 | Blahut et al. | 348 | 7 | |
| 65 | 5,446,919 | 08/29/95 | Wilkins | 455 | 6.2 | |
| 66 | 5,491,508 | 02/13/96 | Friedell et al. | 348 | 16 | |
| 67 | 5,493,107 | 02/20/96 | Gupta et al. | 235 | 383 | |
| 68 | 5,519,878 | 05/21/96 | Dolin, Jr. | 395 | 800 | |
| 69 | 5,530,852 | 06/25/96 | Meske, Jr. et al. | 396 | 600 | |
| 70 | 5,570,295 | 10/29/96 | Isenberg et al. | 379 | 90.01 | |
| 71 | 5,572,643 | 11/05/96 | Judson | 395 | 793 | |
| 72 | 5,592,551 | 01/07/97 | Lett et al. | 380 | 20 | |
| 73 | 5,594,226 | 01/14/97 | Steger | 235 | 379 | |
| 74 | 5,602,377 | 02/11/97 | Beller et al. | 235 | 462 | |
| 75 | 5,604,542 | 02/18/97 | Dedrick | 348 | 552 | |
| 76 | 5,640,193 | 06/17/97 | Wellner | 348 | 7 | |
| 77 | 5,649,186 | 07/15/97 | Ferguson | 395 | 610 | |
| 78 | 5,664,110 | 09/02/97 | Green et al. | 705 | 26 | |
| 79 | 5,671,282 | 09/23/97 | Wolff et al. | 380 | 25 | |
| 80 | 5,675,721 | 10/07/97 | Freedman et al. | 395 | 129 | |
| 81 | 5,682,540 | 10/28/97 | Klotz, Jr. et al. | 395 | 766 | |
| 82 | 5,694,163 | 12/02/97 | Harrison | 348 | 13 | |
| 83 | 5,708,780 | 01/13/98 | Levergood et al. | 709 | 229 | |
| 84 | 5,710,887 | 01/20/98 | Chelliah et al. | 395 | 226 | |
| 85 | 5,715,314 | 02/03/98 | Payne et al. | 705 | 78 | |
| 86 | 5,724,424 | 03/03/98 | Gifford | 705 | 79 | |
| 87 | 5,745,681 | 04/28/98 | Levine et al. | 395 | 200.3 | |
| 88 | 5,754,906 | 05/19/98 | Yoshida | 396 | 448 | |



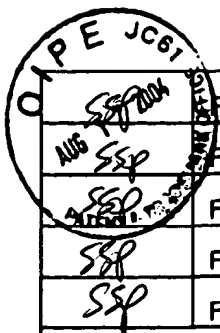
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| 89 | 5,757,917 | 05/26/98 | Rose et al. | 380 | 25 | |
| 90 | 5,761,606 | 06/02/98 | Wolzien | 455 | 6.20 | Dupl rate |
| 91 | 5,764,906 | 06/09/98 | Edelstein et al. | 395 | 200.49 | |
| 92 | 5,765,176 | 06/09/98 | Bloomberg | 707 | 514 | |
| 93 | 5,768,528 | 06/16/98 | Stumm | 709 | 231 | |
| 94 | 5,774,664 | 06/30/98 | Hidary et al. | 395 | 200 | |
| 95 | 5,774,870 | 06/30/98 | Storey | 705 | 14 | |
| 96 | 5,778,367 | 07/07/98 | Wesinger, Jr. et al. | 707 | 10 | |
| 97 | 5,790,793 | 08/04/98 | Higley | 709 | 218 | |
| 98 | 5,791,991 | 08/11/98 | Small | 463 | 41 | |
| 99 | 5,794,210 | 08/11/98 | Goldhaber et al. | 705 | 14 | |
| 100 | 5,796,952 | 08/18/98 | Davis et al. | 305 | 200.54 | |
| 101 | 5,804,803 | 09/08/98 | Cragun et al. | 235 | 375 | |
| 102 | 5,815,776 | 09/29/98 | Nukada | 399 | 174 | |
| 103 | 5,832,223 | 11/03/98 | Hara et al. | 395 | 200.47 | |
| 104 | 5,833,468 | 11/10/98 | Guy et al. | 434 | 350 | |
| 105 | 5,848,202 | 12/08/98 | D'Eri et al. | 382 | 306 | |
| 106 | 5,848,413 | 12/08/98 | Wolff | 707 | 10 | |
| 107 | 5,854,897 | 12/29/98 | Radziewicz et al. | 709 | 224 | |
| 108 | 5,864,823 | 01/26/99 | Levitan | 105 | 14 | |
| 109 | 5,869,819 | 02/09/99 | Knowles et al. | 235 | 375 | |
| 110 | 5,905,248 | 05/18/99 | Russell et al. | 235 | 462 | |
| 111 | 5,905,251 | 05/18/99 | Knowles | 235 | 472.01 | |
| 112 | 5,905,665 | 05/18/99 | Rim | 364 | 746 | |
| 113 | 5,905,865 | 05/18/99 | Palmer et al. | 395 | 200.47 | |
| 114 | 5,907,793 | 05/25/99 | Reams | 455 | 3.1 | |
| 115 | 5,913,210 | 06/15/99 | Call | 707 | 4 | |
| 116 | 5,915,090 | 06/22/99 | Joseph et al. | 709 | 202 | |
| 117 | 5,918,214 | 06/29/00 | Perkowski | 705 | 27 | |
| 118 | 5,925,865 | 07/20/99 | Steger | 235 | 379 | |
| 119 | 5,929,850 | 07/27/99 | Broadwin et al. | 345 | 327 | |
| 120 | 5,932,863 | 08/03/99 | Rathus et al. | 235 | 462.15 | |



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| 121 | 5,933,829 | 08/03/99 | Durst et al. | 707 | 10 | <i>Duplicate</i> |
| 122 | 5,948,061 | 09/07/99 | Merriman et al. | 709 | 219 | |
| 123 | 5,957,695 | 09/28/99 | Redford et al. | 434 | 307R | |
| 124 | 5,960,411 | 09/28/99 | Hartman et al. | 705 | 26 | |
| 125 | 5,961,603 | 10/05/99 | Kunkel et al. | 709 | 229 | |
| 126 | 5,970,471 | 10/19/99 | Hill | 705 | 26 | |
| 127 | 5,970,472 | 10/19/99 | Allsop et al. | 705 | 26 | |
| 128 | 5,971,277 | 10/26/99 | Cragun et al. | 235 | 462.01 | |
| 129 | 5,974,443 | 10/26/99 | Jeske | 709 | 202 | |
| 130 | 5,974,451 | 10/26/99 | Simmons | 709 | 218 | |
| 131 | 5,976,833 | 11/02/99 | Furukawa et al. | 435 | 69.1 | |
| 132 | 5,978,773 | 11/02/99 | Hudetz et al. | 709 | 219 | |
| 133 | 5,991,739 | 11/23/99 | Cupps et al. | 705 | 26 | |
| 134 | 5,992,752 | 11/30/99 | Wilz, Sr. et al. | 235 | 472.01 | |
| 135 | 5,995,105 | 11/30/99 | Reber et al. | 345 | 356 | |
| 136 | 6,002,394 | 12/14/99 | Schein et al. | 345 | 327 | |
| 137 | 6,003,073 | 12/14/99 | Solvason | 709 | 219 | |
| 138 | 6,006,257 | 12/21/99 | Slezak | 709 | 219 | |
| 139 | 6,009,410 | 12/28/99 | LeMole et al. | 709 | 219 | |
| 140 | 6,009,465 | 12/28/99 | Decker et al. | 709 | 219 | |
| 141 | 6,012,102 | 01/04/00 | Shachar | 710 | 5 | |
| 142 | 6,018,764 | 01/25/00 | Field et al. | 709 | 217 | |
| 143 | 6,064,929 | 05/16/00 | Perkowski | 705 | 26 | |
| 144 | 6,108,656 | 08/22/00 | Durst et al. | 707 | 10 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|------------|----|-----------------|----------|---------|-------|----------|-----------------------|
| <i>SSP</i> | F1 | WO 95/10813 | 10/14/94 | PCT | G06F | 15/403 | NO |
| <i>SSP</i> | F2 | WO 96/07146 | 9/1/95 | PCT | G06F | 17/00 | NO |
| <i>SSP</i> | F3 | WO 97/37319 | 2/20/97 | PCT | G06K | 7/10 | NO |
| <i>SSP</i> | F4 | WO 98/03923 | 1/29/98 | PCT | G06F | 15/163 | NO |
| <i>SSP</i> | F5 | WO 98/06055 | 2/12/98 | PCT | G06F | 163/00 | NO |
| <i>SSP</i> | F6 | WO 98/09243 | 8/22/97 | PCT | G06F | 19/00 | NO |



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|-----|-----|-----------------|----------|-----|------|-------|----|
| SEP | F7 | WO 98/19259 | 5/7/98 | PCT | G06F | 17/60 | NO |
| SEP | F8 | WO 98/40823 | 9/17/98 | PCT | G06F | 13/00 | NO |
| SEP | F9 | WO 99/63457 | 6/3/99 | PCT | G06F | 17/30 | NO |
| SEP | F10 | EP 0 961 250 A2 | 12/1/99 | EP | G07F | 19/00 | NO |
| SEP | F11 | JP 10188140A | 12/24/96 | JP | G07G | 1/12 | NO |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

| | | |
|-----|-----|---|
| SEP | D1 | "Group Decision Support System: Development and Application", Energy Systems, Westinghouse, Pittsburgh, PA 1989, IEEE |
| SEP | D2 | "New Technologies in Credit Card Authentication", Pieter de Bryne, Institute for Communications Technology, Zurich, Switzerland 1990, IEEE |
| SEP | D3 | "AVITAL, a Private Teaching System by Fax Communication", Atsusji Iizawa, Norihiro Sugiki, Yukari Shitora and Hideko Kunii, Software Research Center, Tokyo, Japan 1992, IEEE |
| | D4 | "Document on Computer" USPS Technical Support Center, Norman, OK No Date |
| SEP | D5 | "Development of a Commercially Successful Wearable Data Collection System", Symbol Technologies, Inc. 1998, IEEE |
| SEP | D6 | "What do forward looking companies consider in their plans and developments?", A.G. Johnston, Nestle 10/12/97 |
| | D7 | "The Automation Synergy", Neves and Noivo, Portugal No Date |
| SEP | D8 | "Integration of Hand-Written Address Interpretation Technology into the United States Postal Service Remote Computer Reader System", Srihari (CEDAR, SUNY at Buffalo) and Kueberg (U.S. Postal Service, VA) 1997 IEEE |
| SEP | D9 | "Paper Based Document Security - A Review", van Renesse, TNO Institute of Applied Physics, The Netherlands 1997 |
| SEP | D10 | "IEEE Standard for Bar Coding for Distribution Transformers" Transformers Committee of the IEEE Power Engineering Society, The Institute of Electrical and Electronics Engineers, Inc. NY, 1996 |
| SEP | D11 | "The Stylus™-Shopping from Home", STYLUS Innovation, MA, 1992 |
| SEP | D12 | "Distributing Uniform Resource Locators as Bar Code Images", IBM Technical Disclosure Bulletin, Jan 1996 |
| SEP | D13 | "Bar Code Method for Automating Catalog Orders", IBM Technical Disclosure Bulletin, September 1998 |
| | D14 | "Bar Code Recognition System Using Image Processing", Kuroki, Yoneoka et al., Hitachi Research Laborator No Date |

EXAMINER

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11/9/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.